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us-09-50.

Product: angiostatin #status experimental <AST>
P;550,581-810/Product: plasmin #status experimental <MAT>
P;580/Domain: plasmin chain A #status experimental <CHA>
P;183-181/Domain: kringle homology <KR1>
P;185-262/Domain: kringle homology <KR2>
P;275-352/Domain: kringle homology <KR3>
P;377-454/Domain: kringle homology <KR4>
P;481-560/Domain: kringle homology <KR5>
P;550-580,581-810/Product: microplasmin #status experimental <MMT>

Query Match 99.7%; Score 1535; DB 1; Length 810;
Best Local Similarity 99.6%; Pred. No. 7.1e-105;
Matches 259; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 VYLSECKTGNGKNYRGTMSTKNGITCQKWSSTSHPHRPRFSPATHPSEGLEENYCRNPDN 60
Db 98 VYLSECKTGNGKNYRGTMSTKNGITCQKWSSTSHPHRPRFSPATHPSEGLEENYCRNPDN 157

Qy 61 DPQGPWCYTTDPEKRYDYCDILECEEEECHCSGENYDGKISKTMMSGLECQAWDSQSPHAH 120
Db 158 DPQGPWCYTTDPEKRYDYCDILECEEEECHCSGENYDGKISKTMMSGLECQAWDSQSPHAH 217

Qy 121 GYIPSKFPNKLKNYCRNPDRRELRPWCFTTDPNKRWELCDIPRCTTPPPSSGPTYQCLK 180
Db 218 GYIPSKFPNKLKNYCRNPDRRELRPWCFTTDPNKRWELCDIPRCTTPPPSSGPTYQCLK 277

Qy 181 GTGENYRGNVAVTVSGHTCQHWSAQTPHTHERTPENFPCKNLDENYCRNPDGKRAPWCHT 240
Db 278 GTGENYRGNVAVTVSGHTCQHWSAQTPHTHNETPENFPCKNLDENYCRNPDGKRAPWCHT 337

Qy 241 TNSQVRWEYCKIPSCDSSPV 260
Db 338 TNSQVRWEYCKIPSCDSSPV 357

RESULT 2
B30848
plasmin (macaque) *hesus macacus*
(macaque)

389
ADM

30	271	17.6	89	2	A60140	plasmin (EC 3.4.21
31	268	17.4	123	2	C61545	plasmin (EC 3.4.21
32	241.5	15.7	937	2	A45082	neurotrophic recep
33	240	15.6	943	2	B45082	neurotrophic recep
34	237.5	15.4	946	1	A47299	r-or-related recept
35	233	15.1	603	2	S28941	coagulation factor
36	214	13.9	558	2	JCS5878	plasma hyaluronan-
37	210	13.6	560	1	JC4795	plasma hyaluronan-
38	201	13.1	291	2	I38098	t-plasminogen acti
39	198	12.9	615	1	KFHU12	coagulation factor
40	190.5	12.4	593	2	S45281	coagulation factor
41	188.5	12.2	655	1	A46688	hepatocyte growth
42	178.5	11.6	806	2	T18840	hypothetical prote
43	165	10.7	433	1	JN0560	u-plasminogen acti
44	153	9.9	442	1	UKPG	u-plasminogen acti
45	151	9.8	432	1	S18932	u-plasminogen acti

ALIGNMENTS

RESULT 1
PLHU
plasmin (EC 3.4.21.7) precursor [validated] - human
N;Alternate names: plasminogen precursor [misnomer]
N;Contains: angiostatin; microplasmin; plasminogen
C;Species: Homo sapiens (man)
C;Date: 24-Apr-1984 #sequence_revision 02-Dec-1994 #text_change 15-Sep-2000
C;Accession: A35229; I52242; A26646; I62738; I84609; S03735; A00929; A04627; A04625;
R;Petersen, T.E.; Martzen, M.R.; Ichinose, A.; Davie, E.W.
J. Biol. Chem. 265, 6104-6111, 1990
A;Title: Characterization of the gene for human plasminogen, a key proenzyme in the f
A;Reference number: A35229; MUID:90202879
A;Accession: A35229
A;Molecule type: DNA
A;Residues: 1-810 <PET>
A;Cross-references: GB:J05286; GB:M34276; NID:g190064; PIDN:AAA60113.1; PID:g387026
A;Experimental source: leukocyte; lung fibroblast
R;Malgaretti, N.; Bruno, L.; Pontoglio, M.; Candiáni, G.; Meroni, G.; Ottolenghi, S.;
Biochem. Biophys. Res. Commun. 173, 1013-1018, 1990
A;Title: Definition of the transcription initiation site of human plasminogen gene in
A;Reference number: I52242; MUID:91097523
A;Accession: I52242
A;Status: translated from GB/EMBL/DDJB
A;Molecule type: DNA
A;Residues: 1-16 <MAL1>
A;Cross-references: GB:M62890; NID:g190092; PIDN:AAA36454.1; PID:g553613
R;Forsgren, M.; Raden, B.; Israelsson, M.; Larsson, K.; Heden, L.O.
FEBS Lett. 213, 254-260, 1987
A;Title: Molecular cloning and characterization of a full-length cDNA clone for human
A;Reference number: A26646; MUID:87162490
A;Accession: A26646
A;Molecule type: mRNA
A;Residues: 1-471,'D',473-810 <FOR>
A;Cross-references: GB:X05199; NID:g35530; PIDN:CAA28831.1; PID:g35531
A;Experimental source: liver
R;Malinowski, D.P.; Sadler, J.E.; Davie, E.W.
Biochemistry 23, 4243-4250, 1984
A;Title: Characterization of a complementary deoxyribonucleic acid coding for human a
A;Reference number: I45961; MUID:85023311
A;Accession: I62738
A;Status: translated from GB/EMBL/DDJB
A;Molecule type: mRNA
A;Residues: 292-471,'D',473-810 <MAL2>
A;Cross-references: GB:K02922; NID:g190112; PIDN:AAA60124.1; PID:g387031
A;Accession: I84609
A;Status: translated from GB/EMBL/DDJB
A;Molecule type: DNA
A;Residues: 367-419 <MAL3>
A;Cross-references: GB:K02921; NID:g190110; PIDN:AAA60123.1; PID:g190111
R;Brunisholz, R.A.; Lerch, P.G.; Schaller, J.; Rickli, E.E.; Lergier, W.; Manneberg,
Eur. J. Biochem. 114, 465-470, 1981
A;Title: Comparison of the primary structure of the N-terminal CNBr fragments of huma

